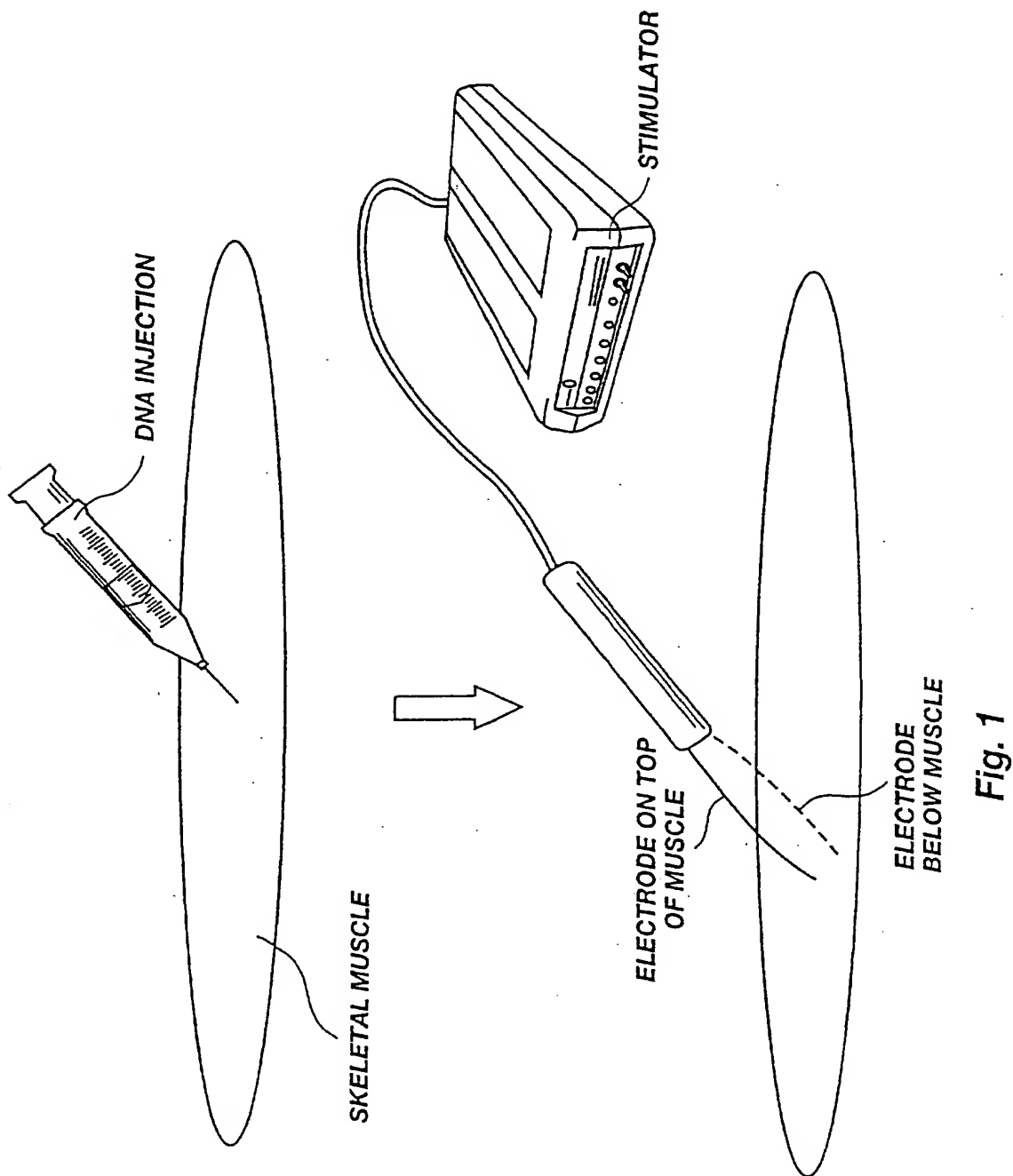


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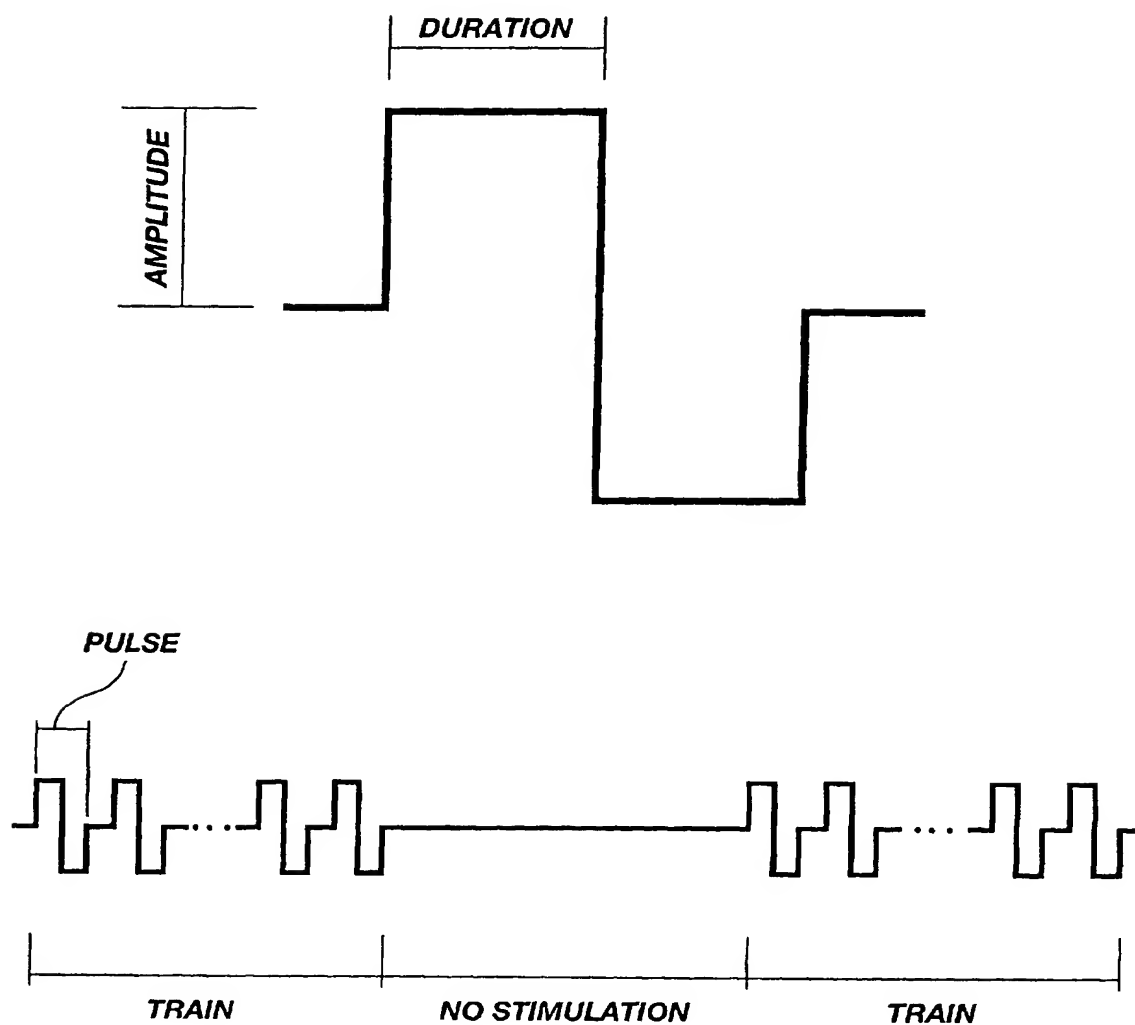


Fig. 2

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EDL, fast SOL, slow

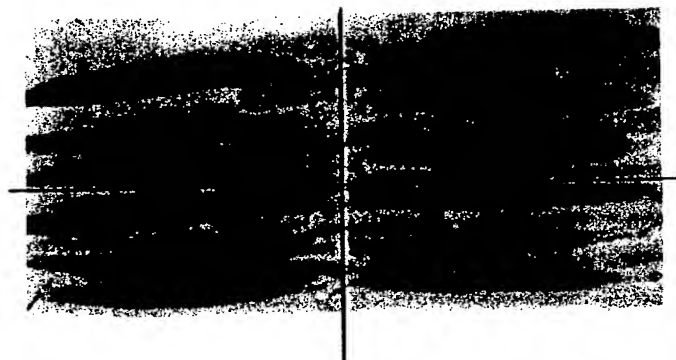
a All muscles are denervated



Not stimulated

Stimulated, 100 Hz after
DNA injection

b All muscles are stimulated directly with 100 Hz
after DNA Injection



Innervated

Denervated

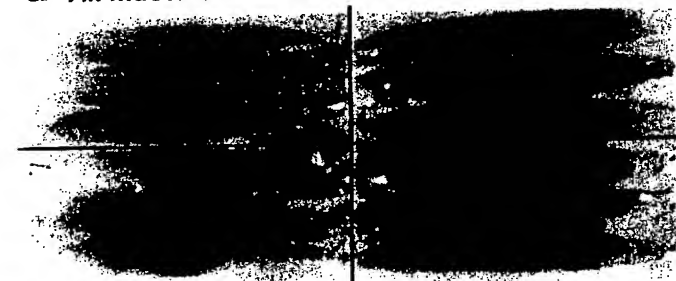
c All muscles have been active



Nerve stimulation after
DNA injection

Direct muscle stimulation
after DNA injection

d All muscles have been stimulated directly with 100 Hz



Stimulated 10 min. prior
to DNA injection

Stimulated immediately
after DNA injection

Fig. 3

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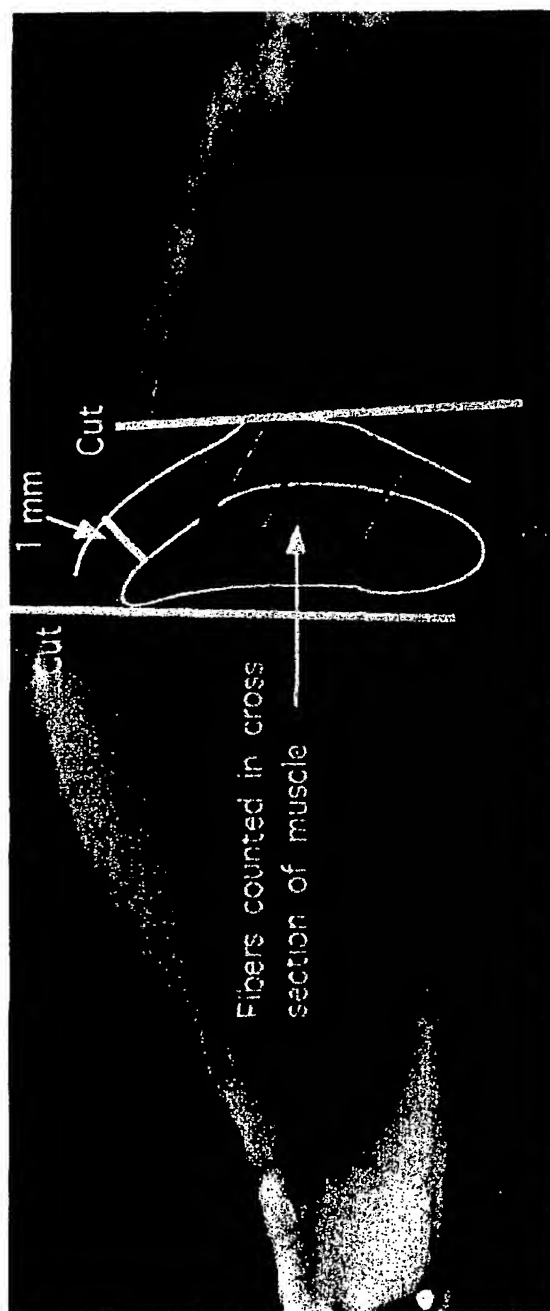


Fig. 4

5/31

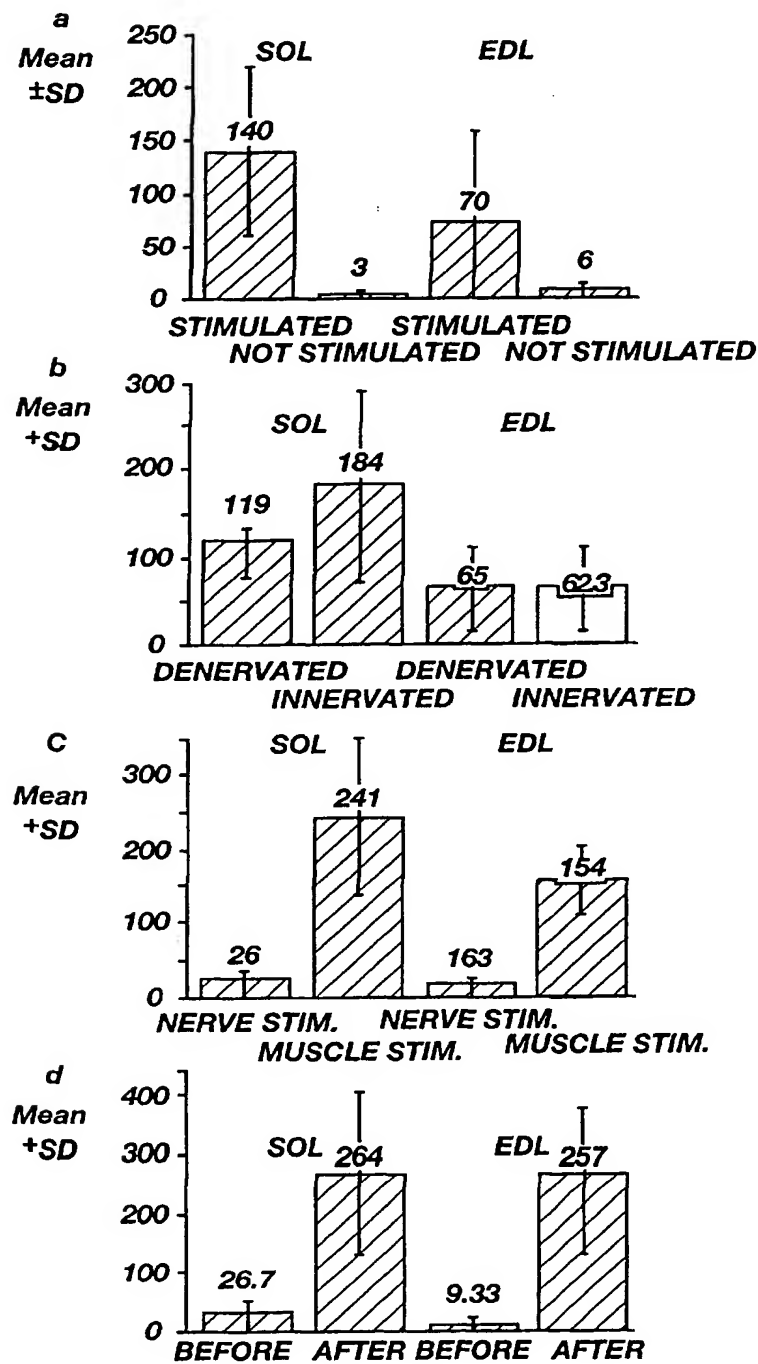


Fig. 5

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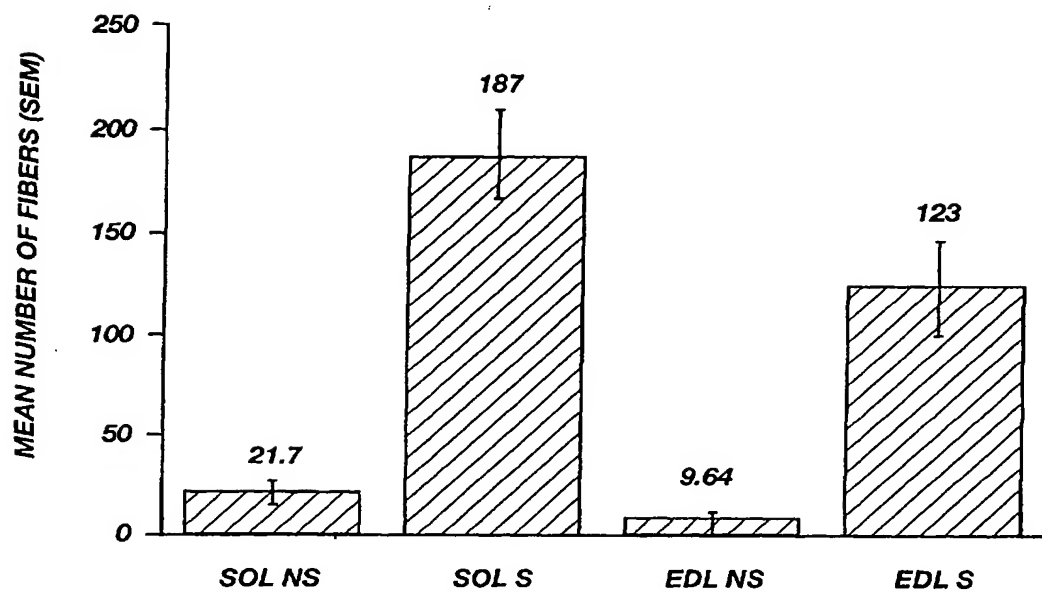


Fig. 6

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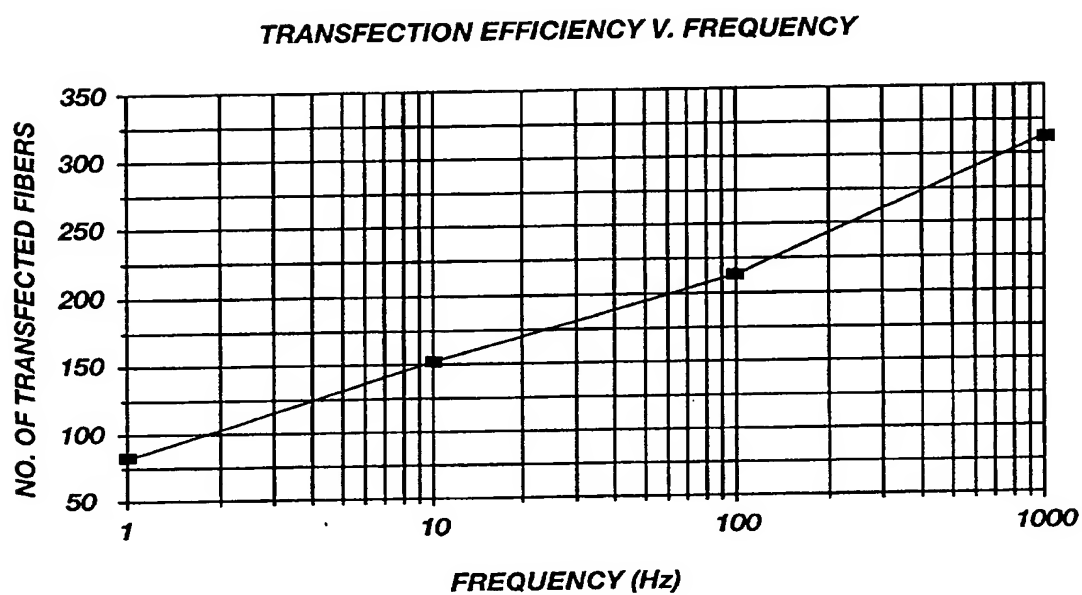


Fig. 7

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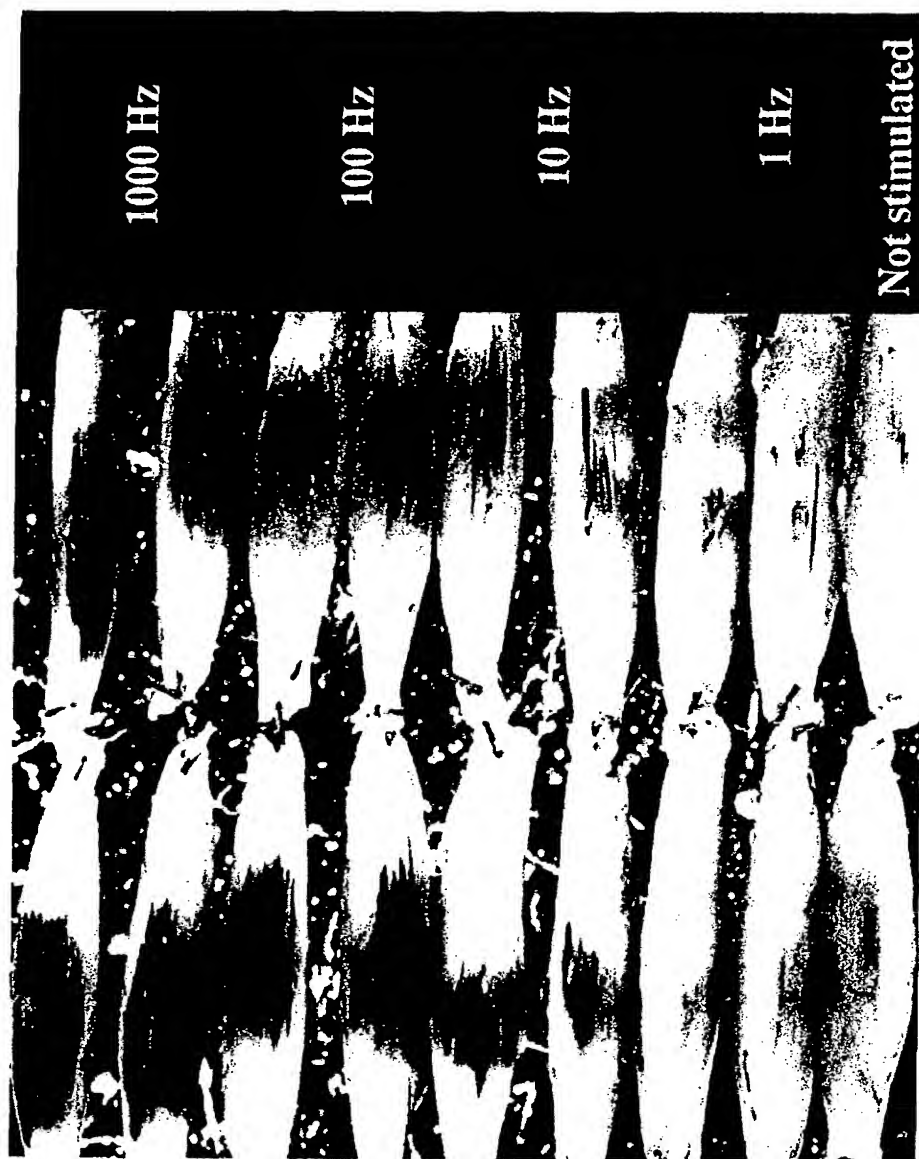


Fig. 8

9/31

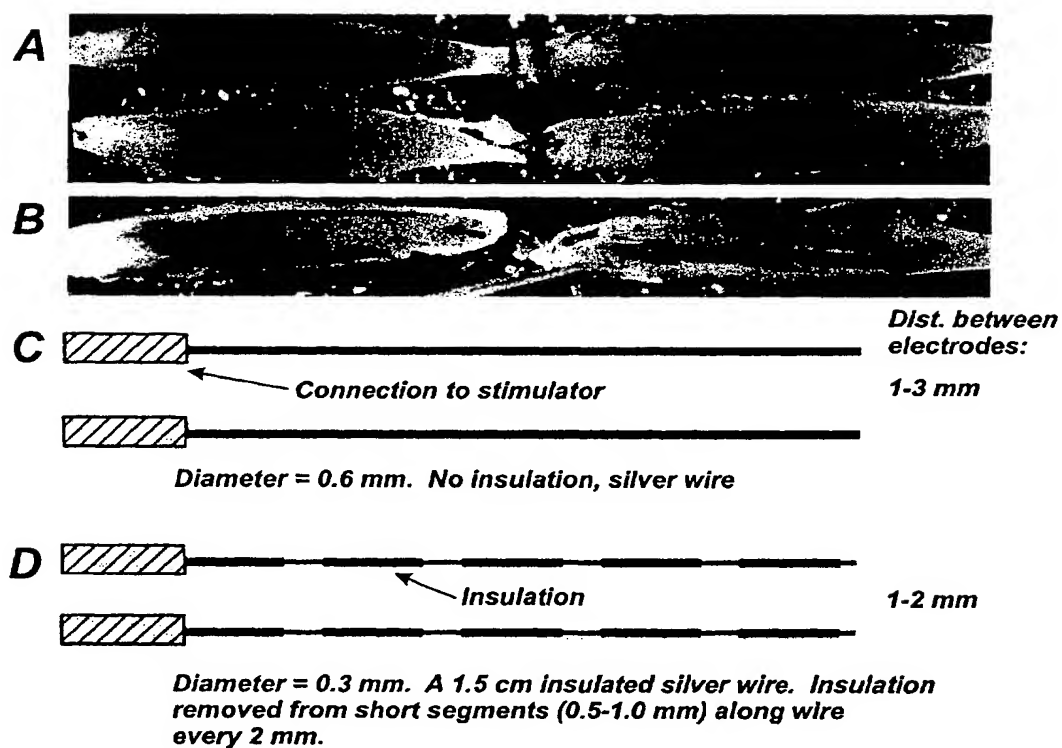


Fig. 9

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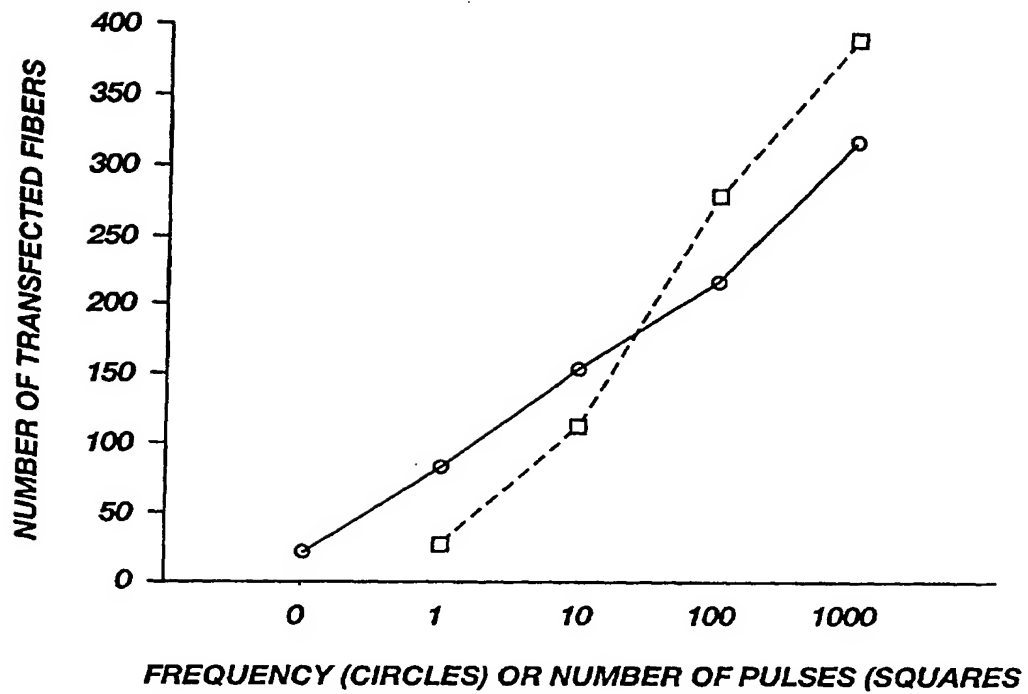


Fig. 10

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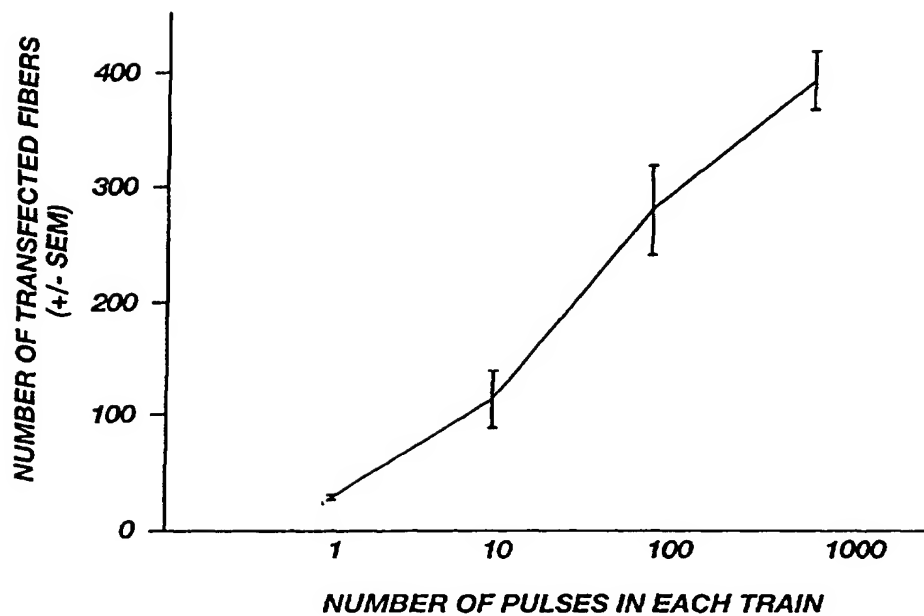


Fig. 11

12/31

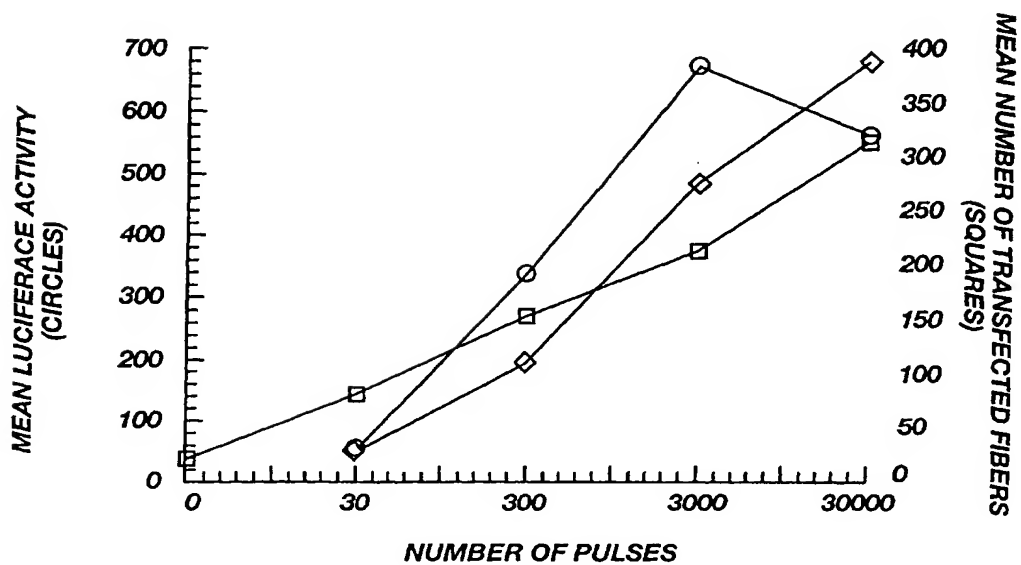


Fig. 12

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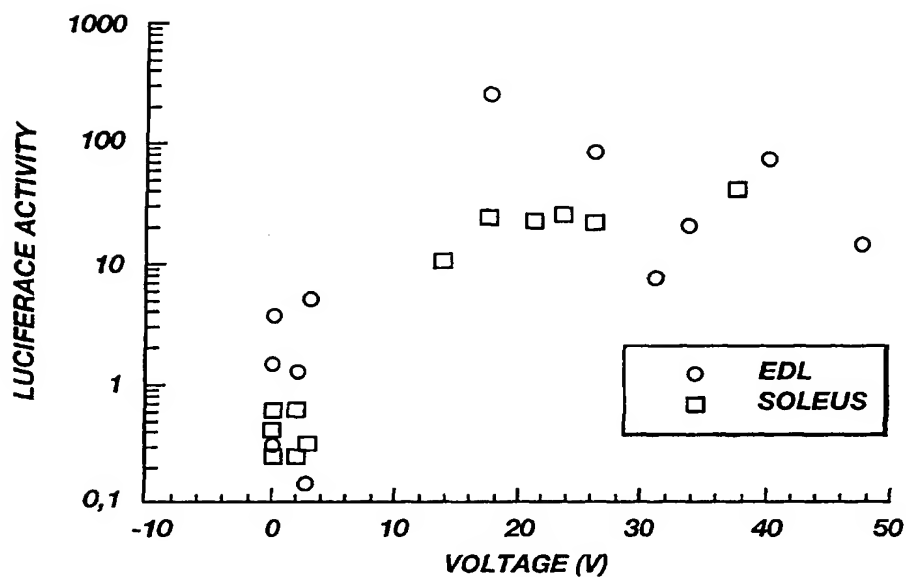


Fig. 13a

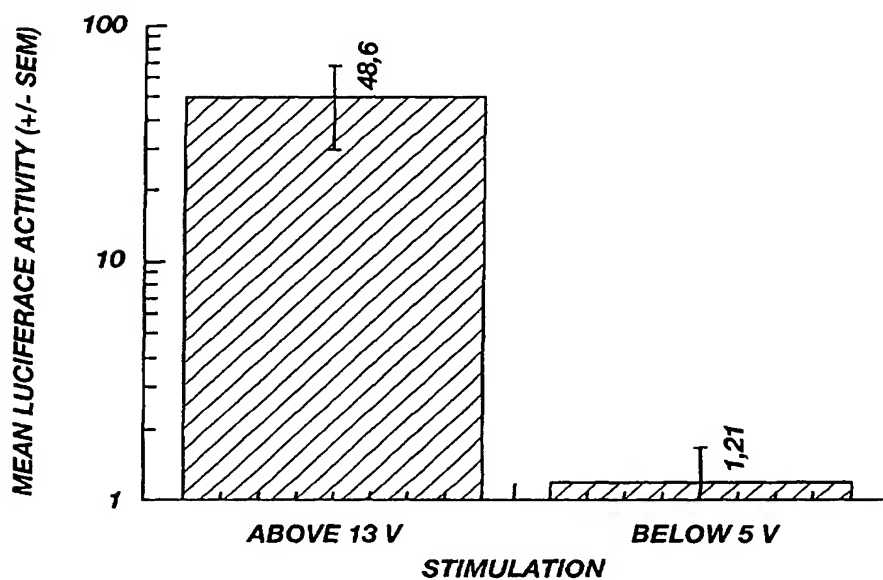


Fig. 13b

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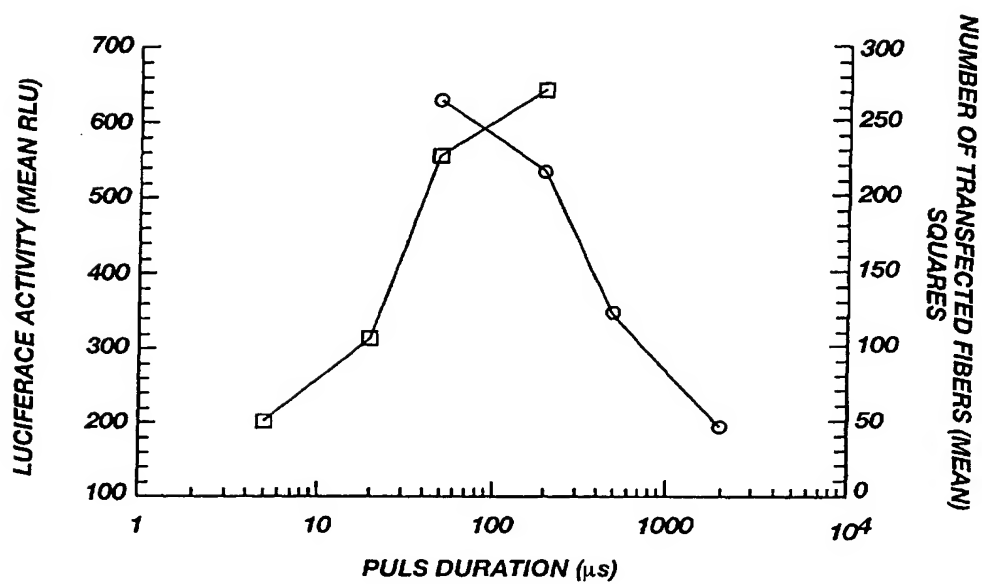


Fig. 14

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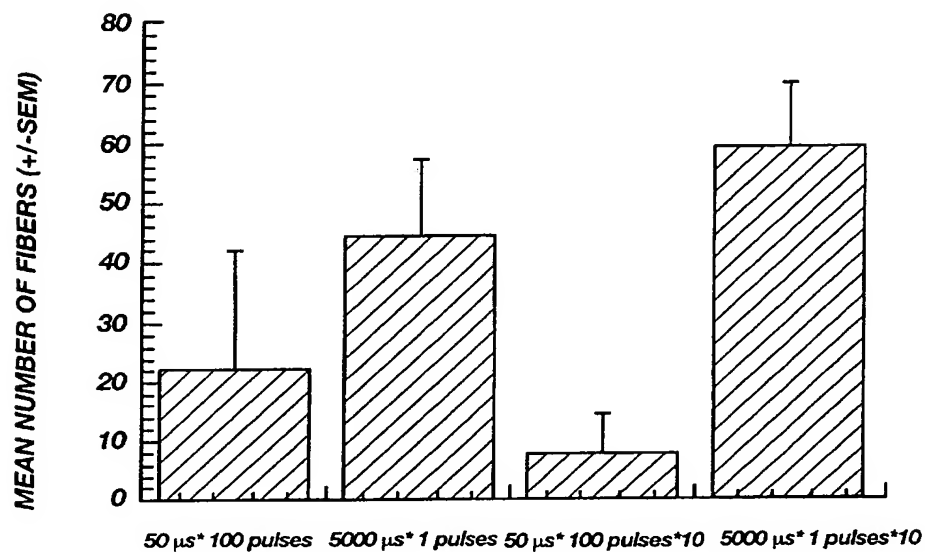


Fig. 15

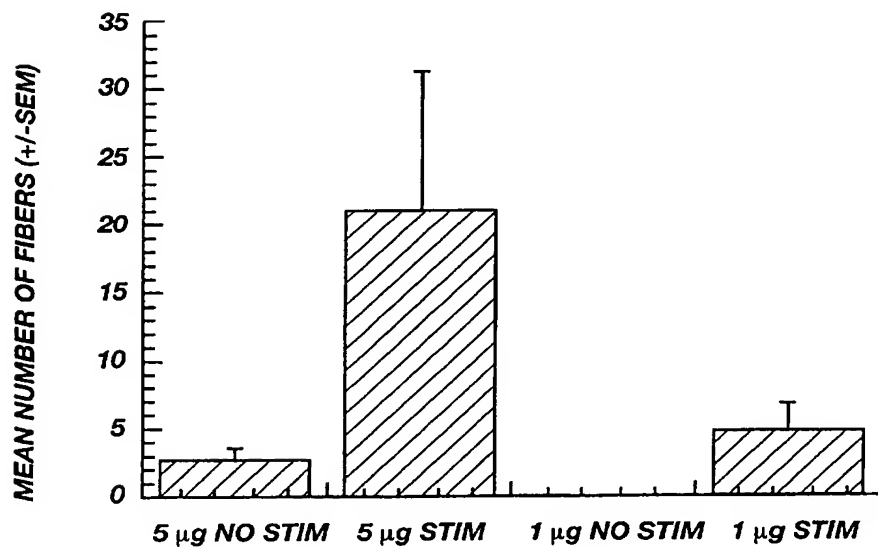


Fig. 16

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Fig. 17A



Fig. 17B



Fig. 17C



Fig. 17D

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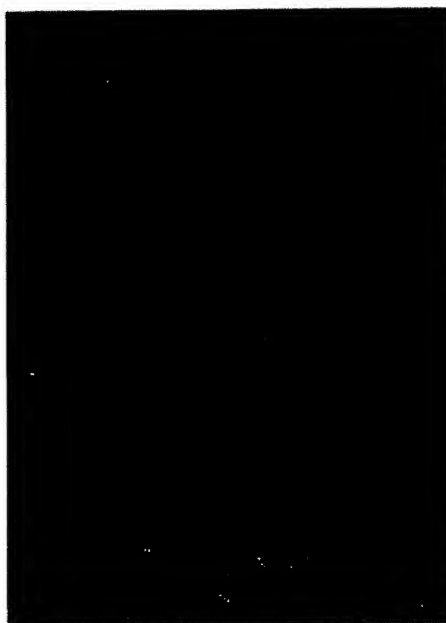


Fig. 17E



Fig. 17F

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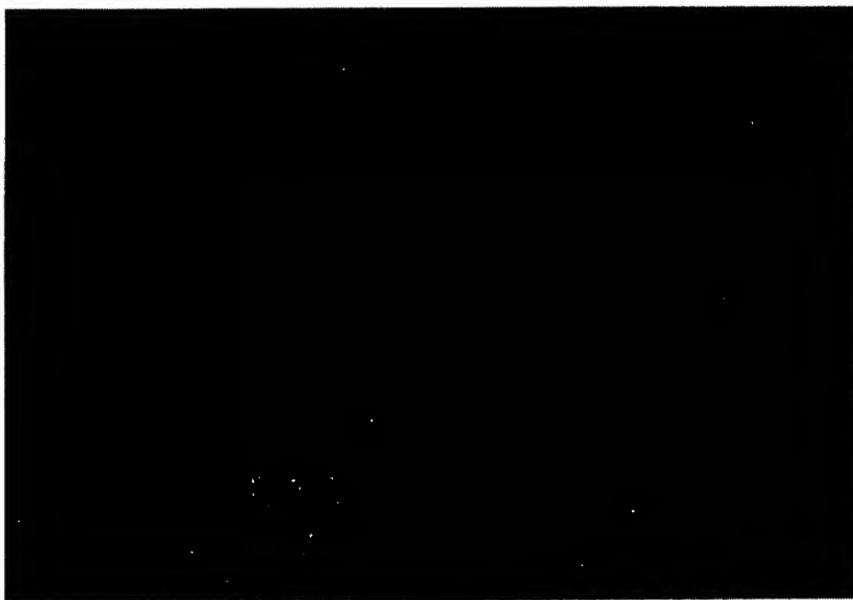


Fig. 18A

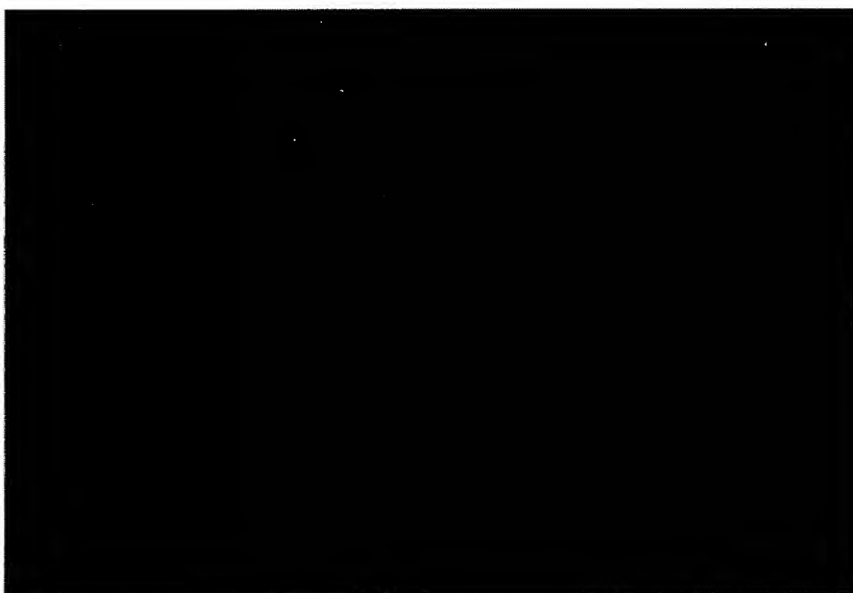


Fig. 18B

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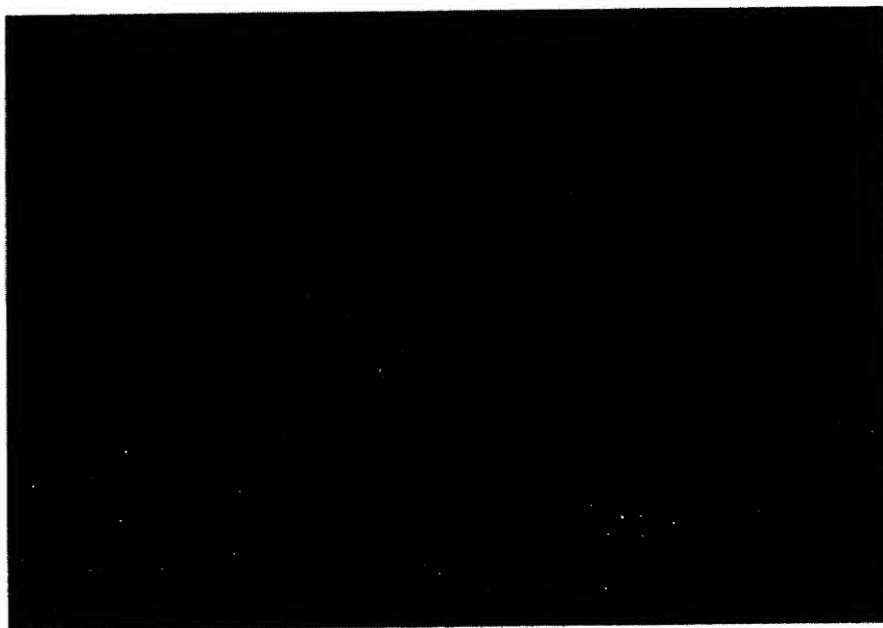


Fig. 18C

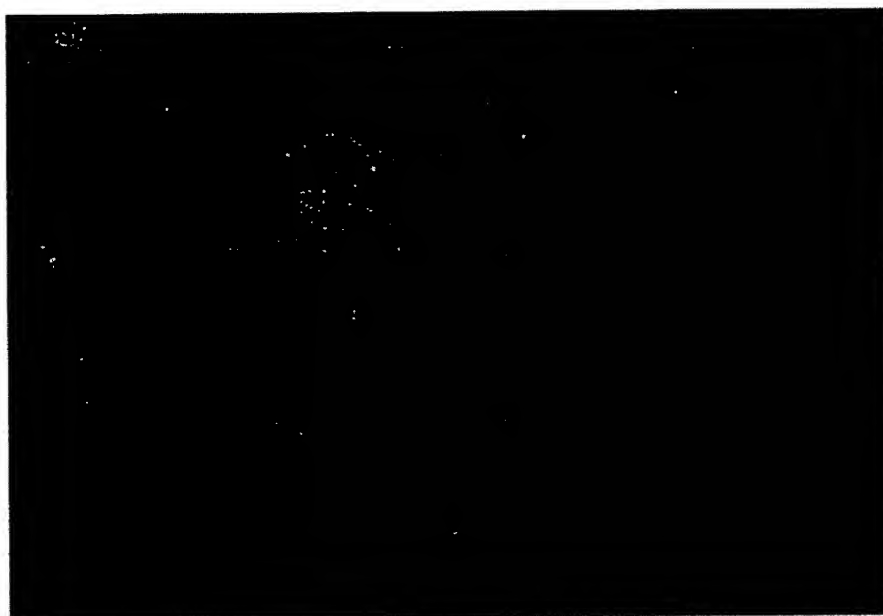


Fig. 18D

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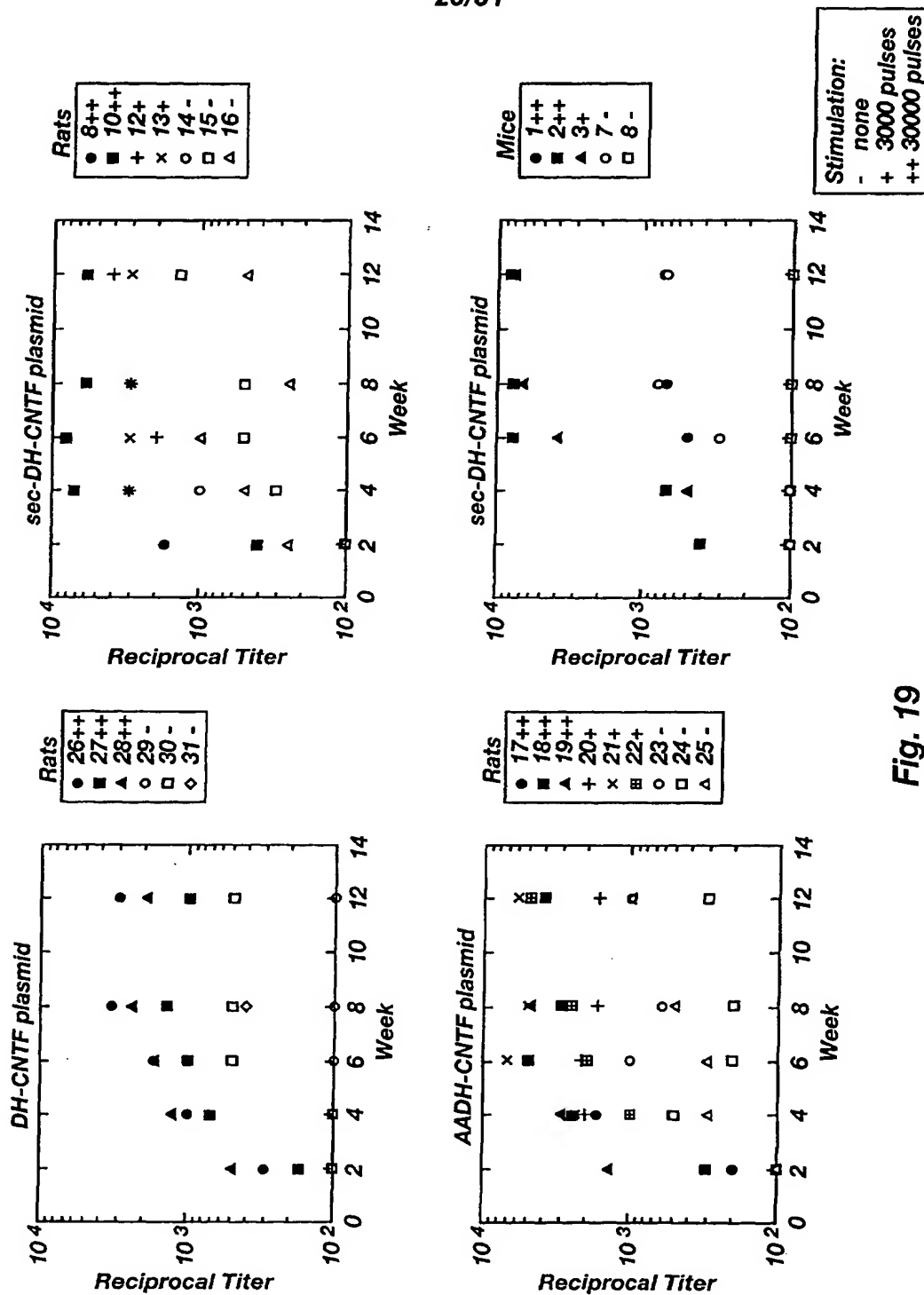


Fig. 19

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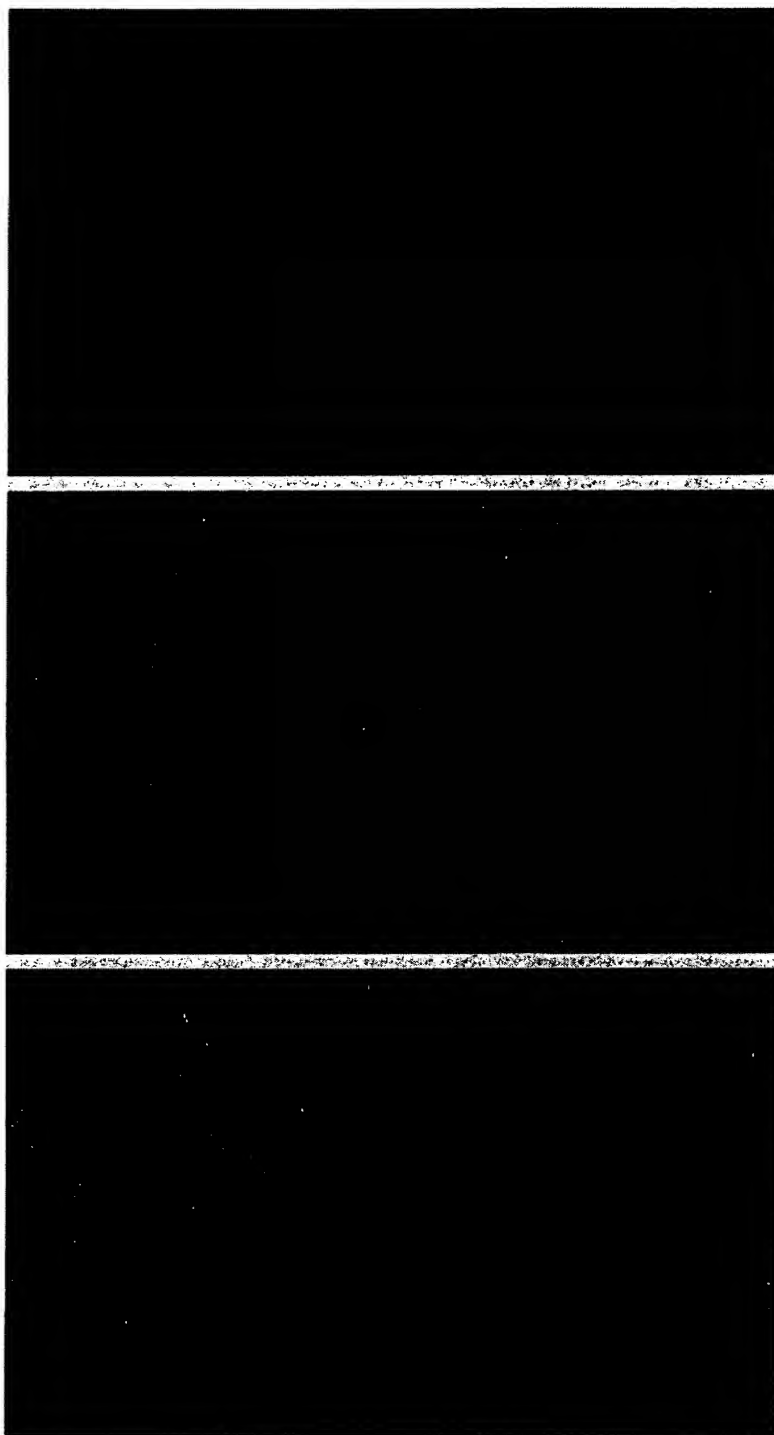


Fig. 20

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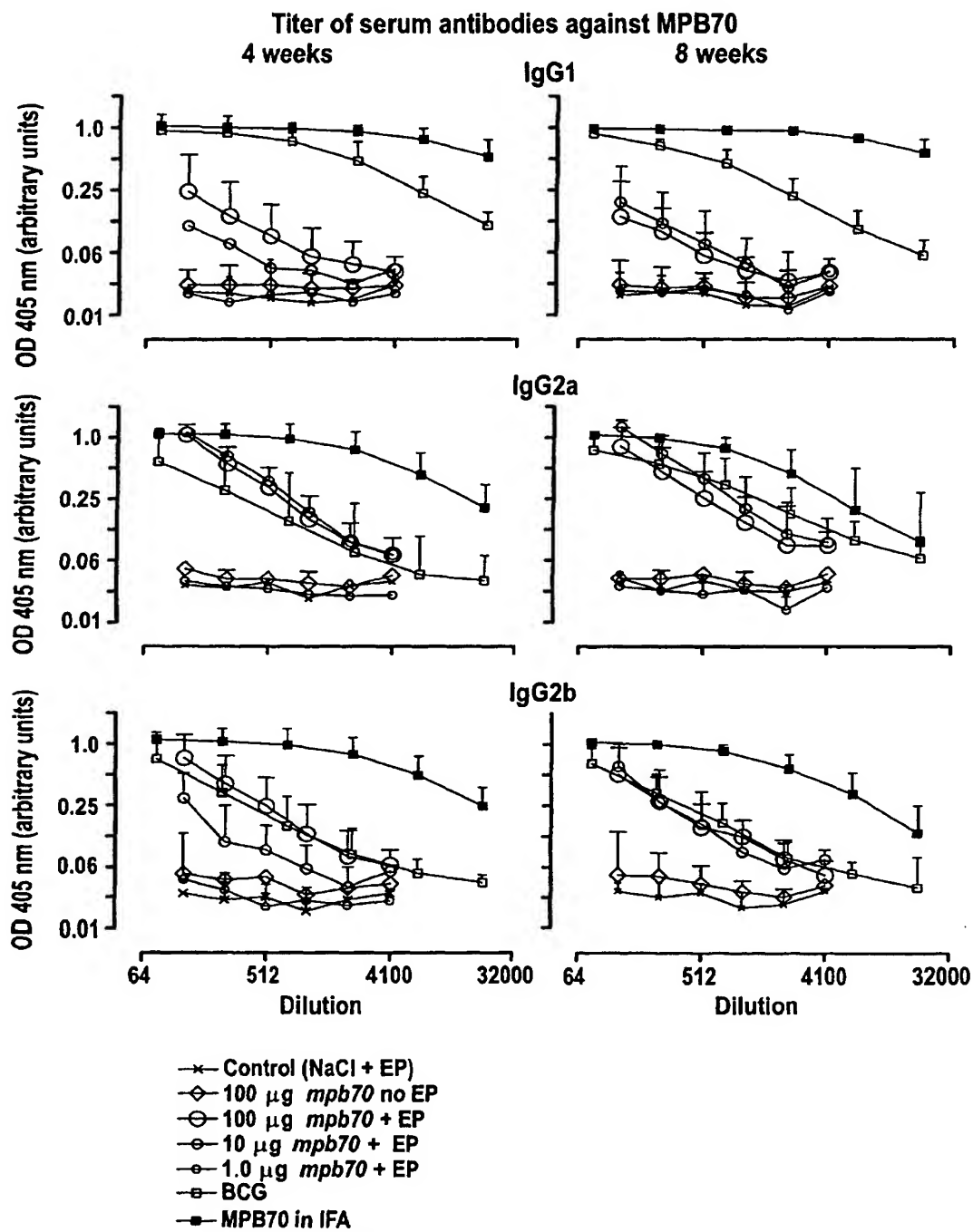


Fig. 21A

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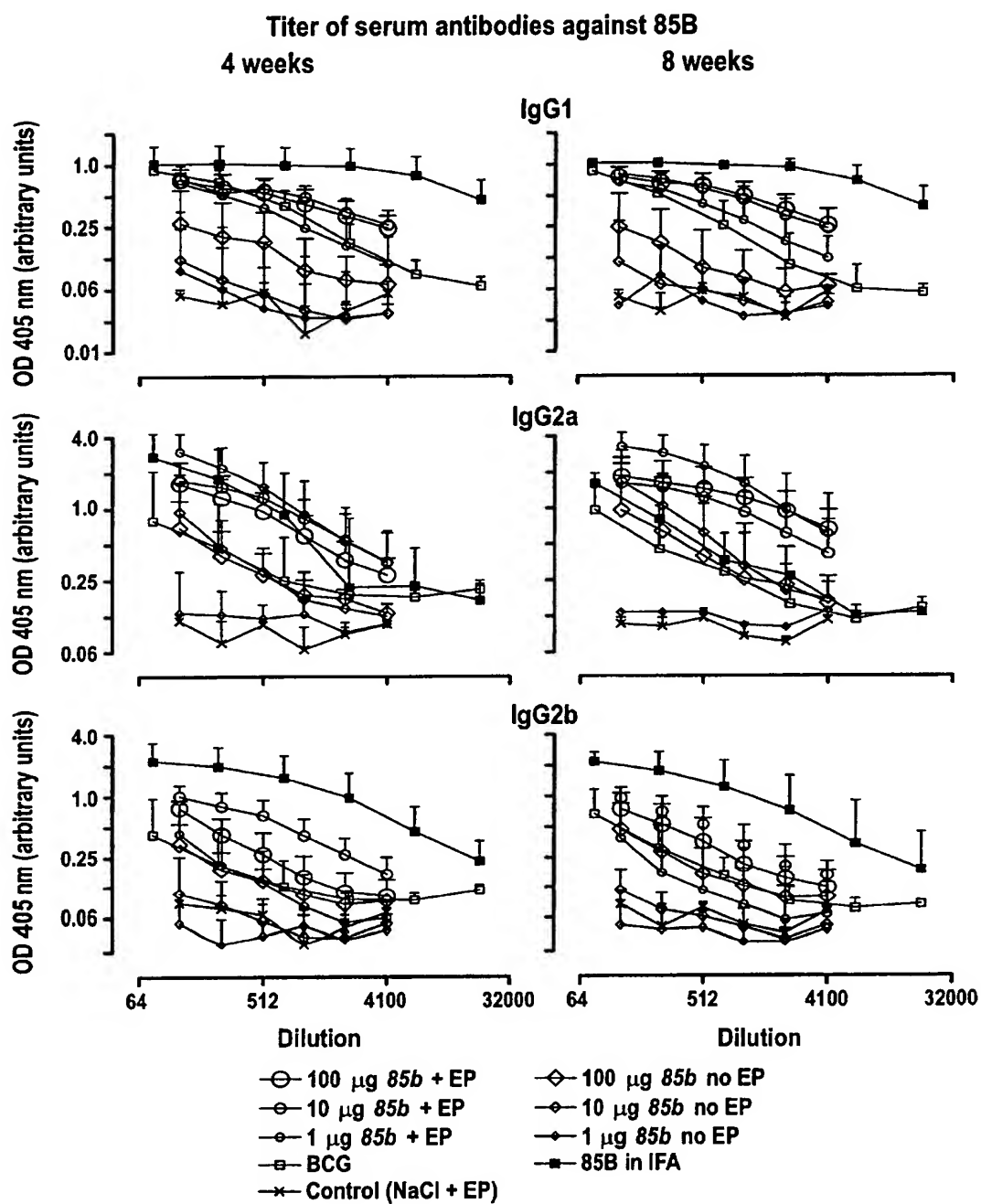


Fig. 21B

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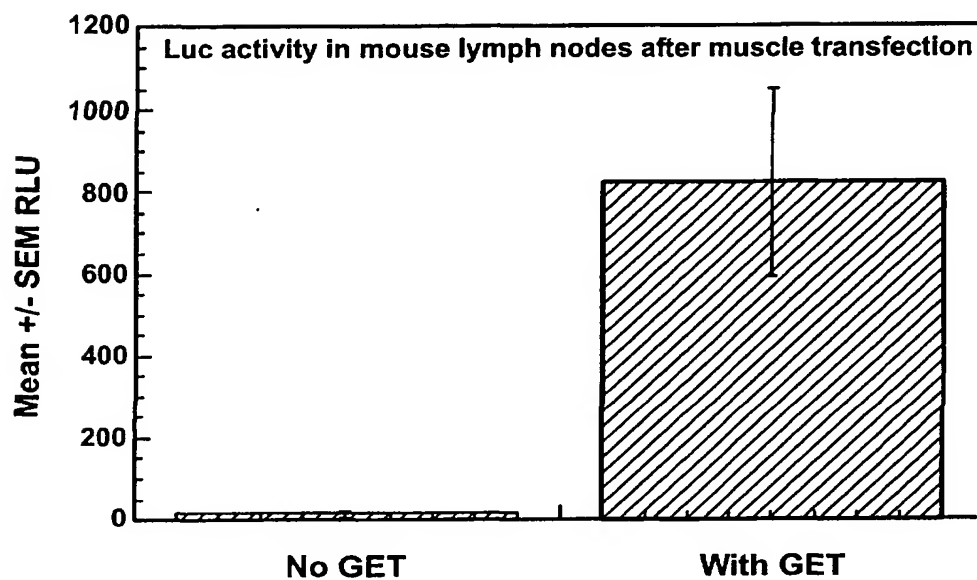


Fig. 22

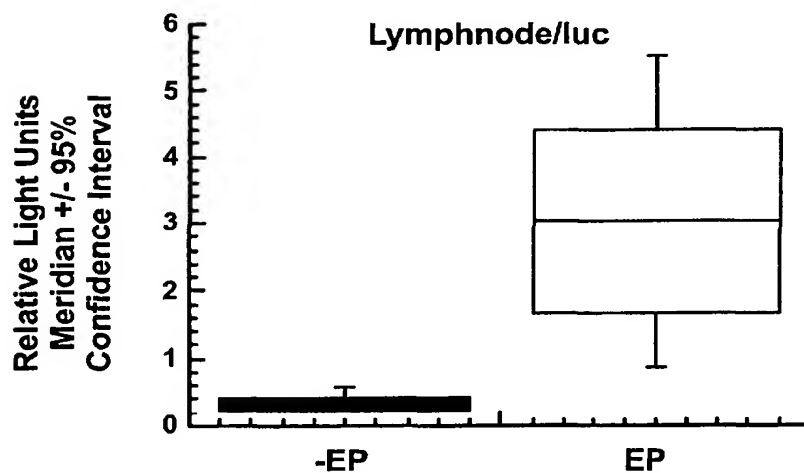


Fig. 23

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Titer of serum IgG1 against MPB70

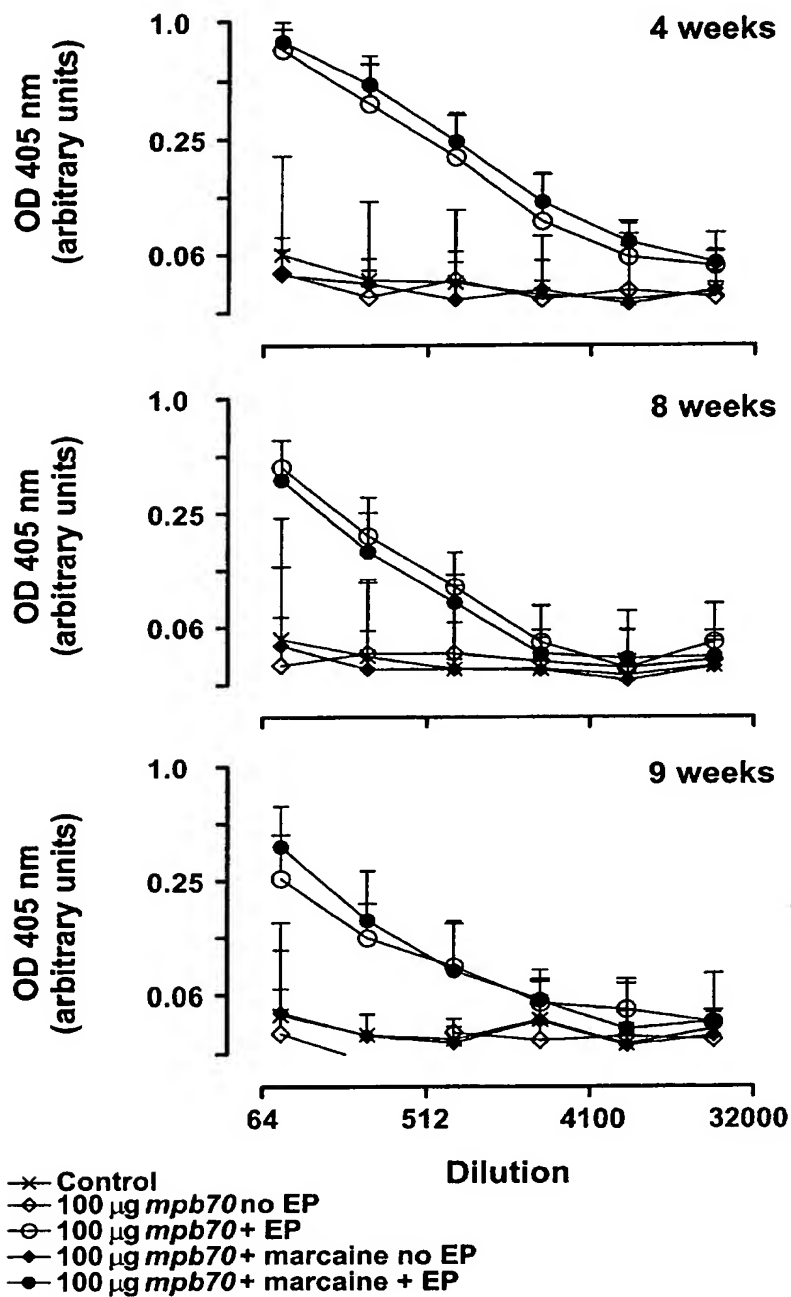


Fig. 24

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**Titer of serum antibodies against MPB70
 after 8 weeks**

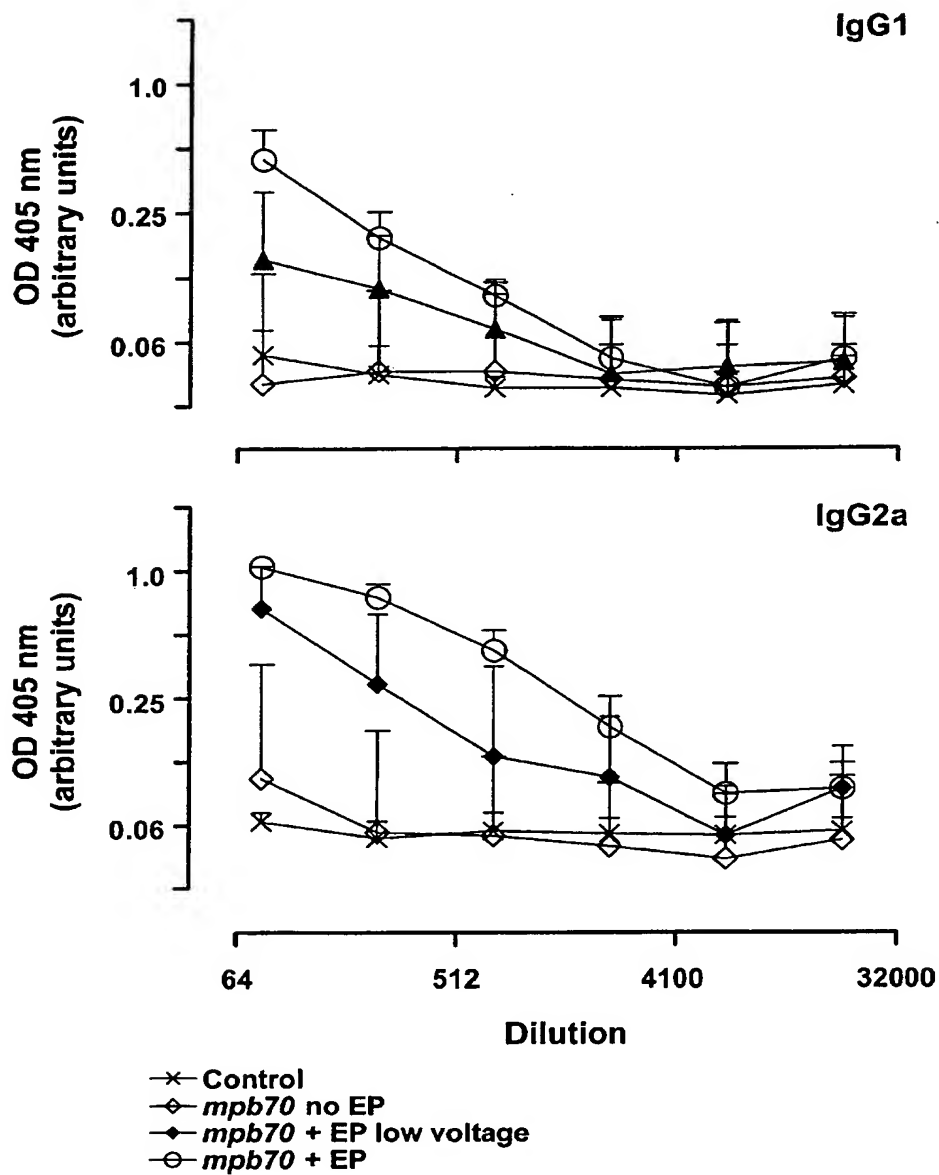
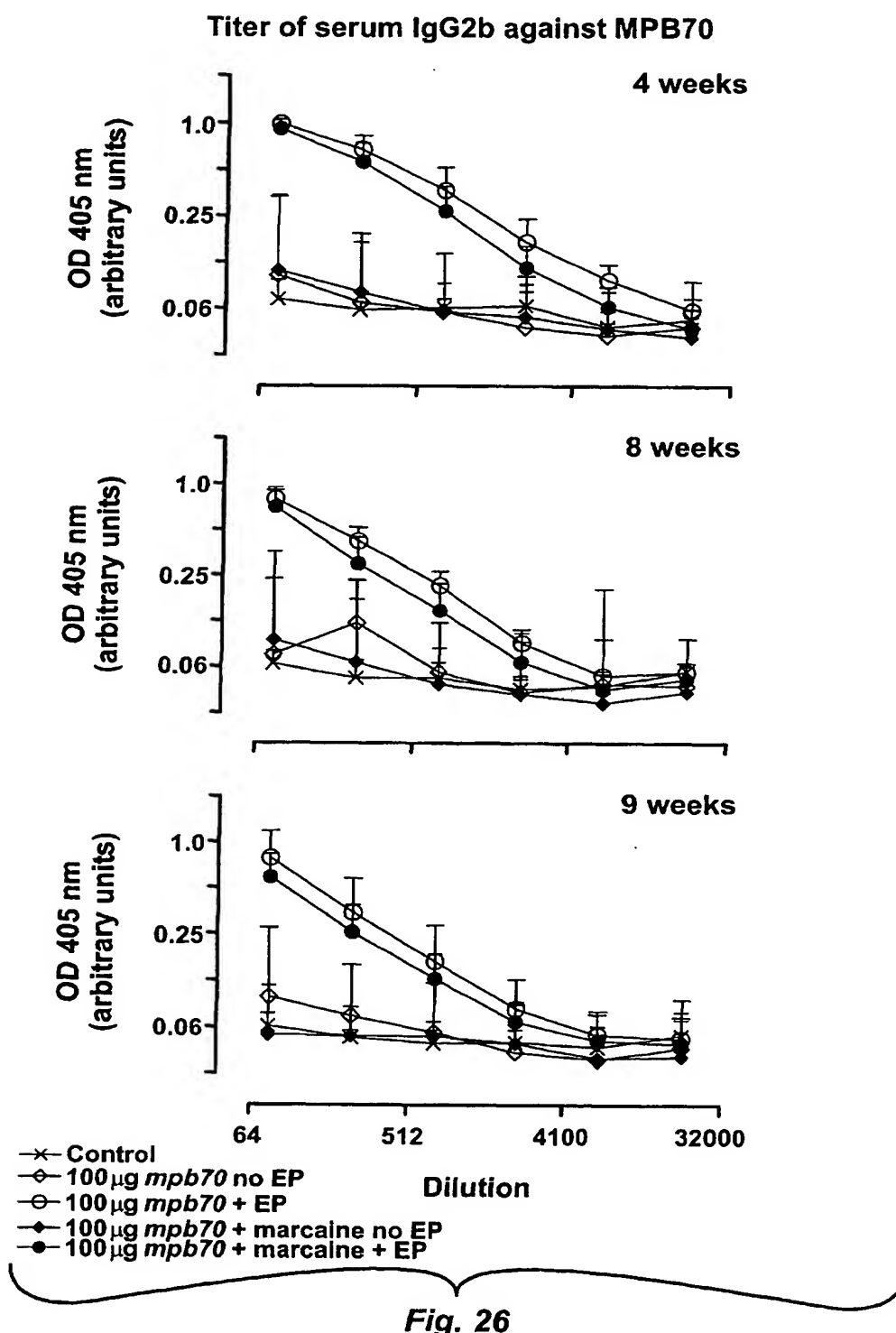


Fig. 25

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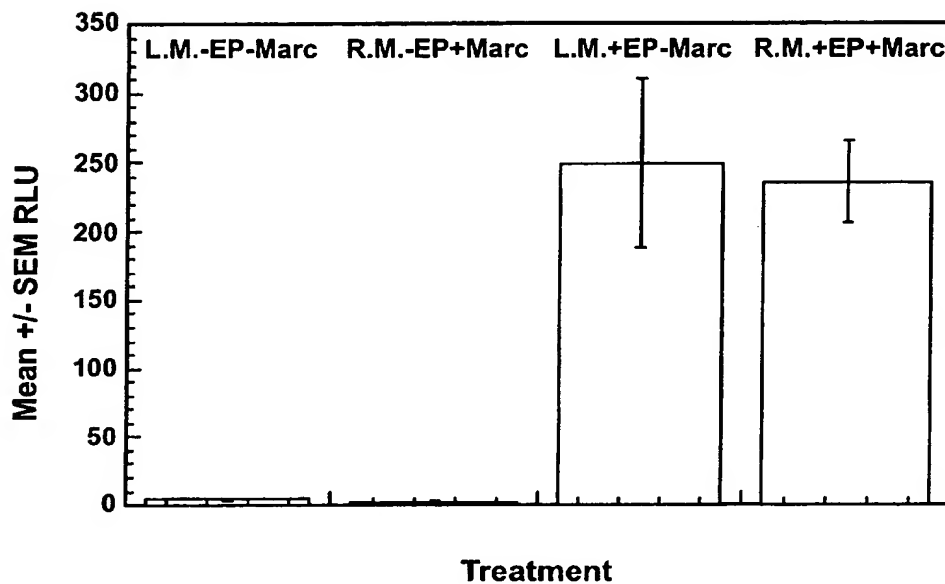


Fig. 27

Luciferase activity after second immunization with 85B and luciferase cDNA. Low values indicate strong cellular immune response (efficient killing of transfected cells)

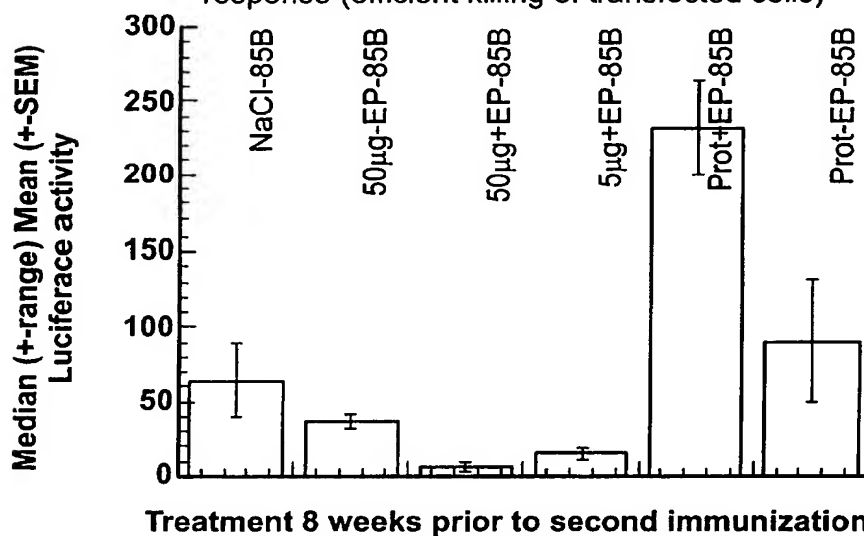


Fig. 28

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Titer of serum antibodies 13 weeks post protein injection and 5 weeks post DNA injection

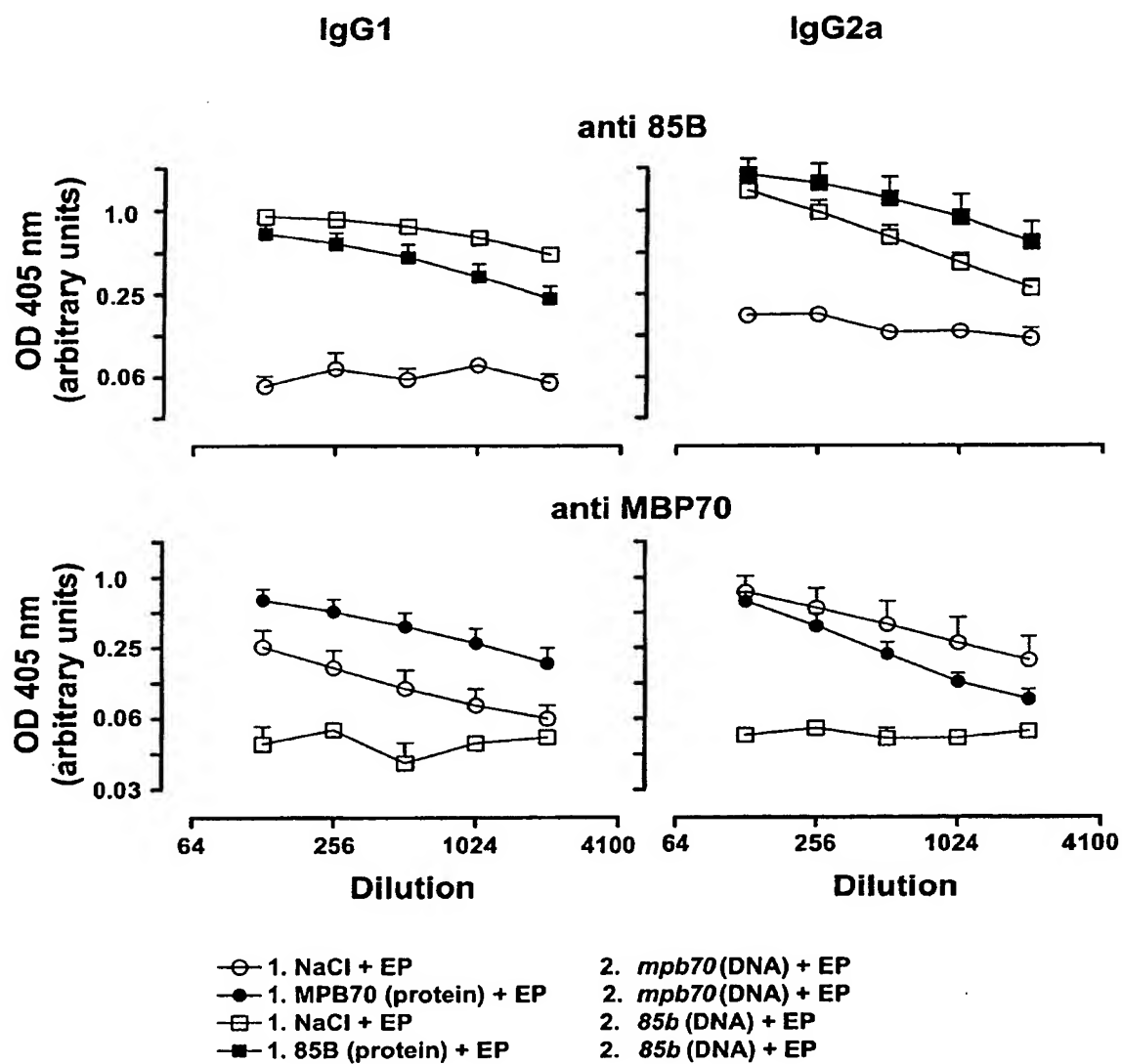


Fig. 29

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**Titer of serum antibodies against MPB70
after 8 weeks**

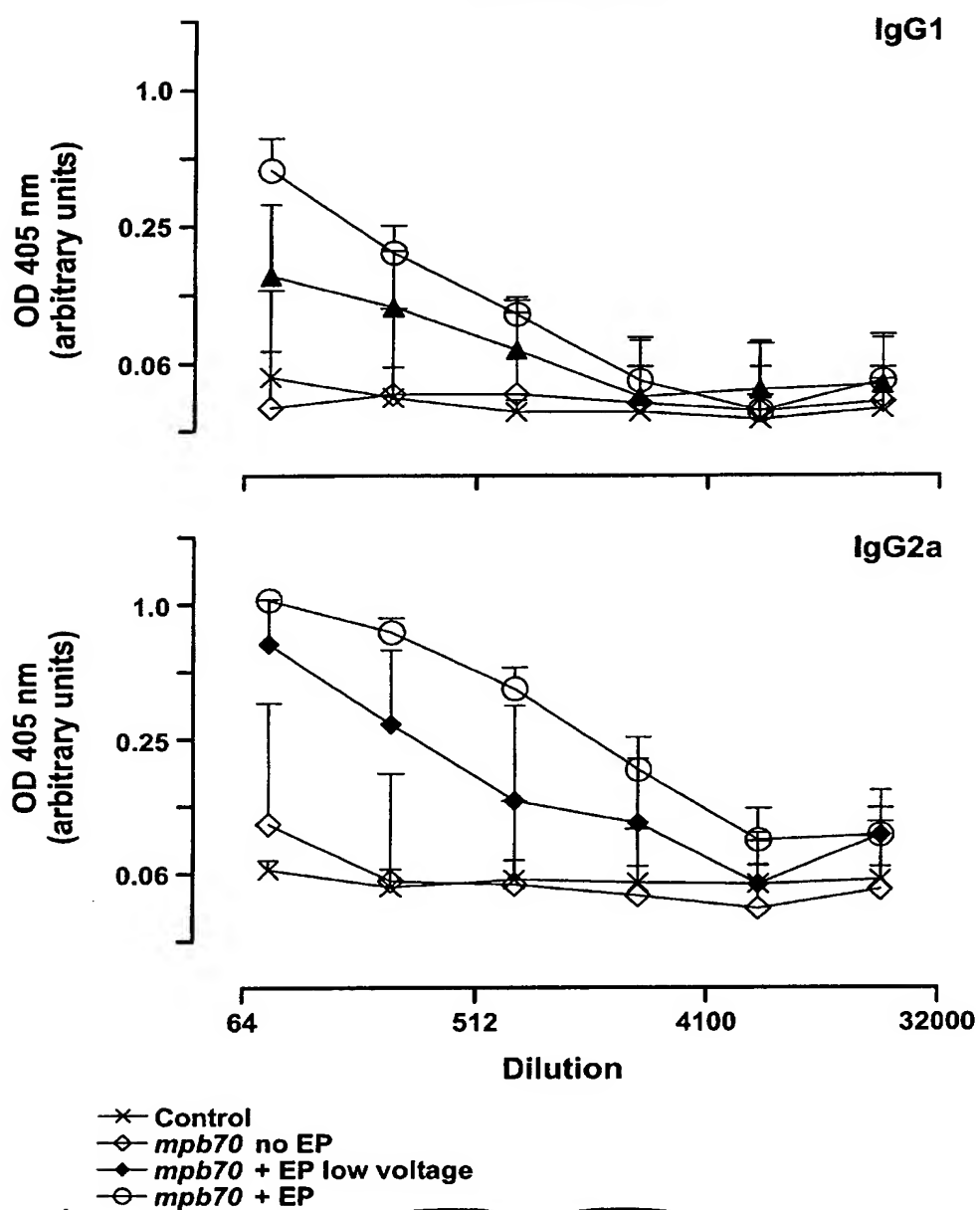
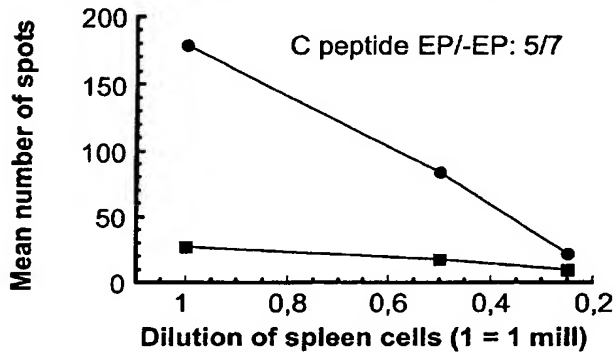


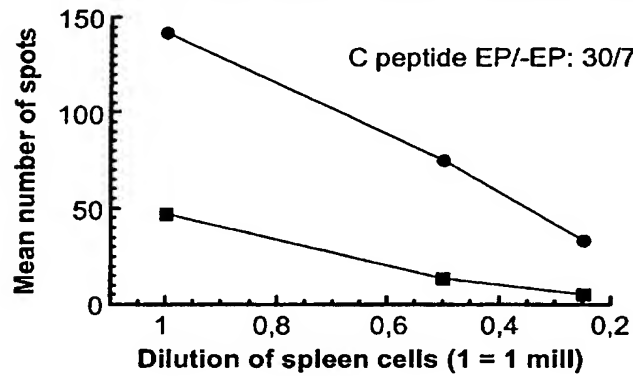
Fig. 30

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CD8+ T-cells secreting interferon gamma after stimulation with MHC I specific peptide (B-GAL)



CD4+ T-cells secreting interferon gamma after stimulation with MHC II specific peptide (85A)



CD8+ T-cells secreting interferon gamma after stimulation with MHC I specific peptide (B-GAL)

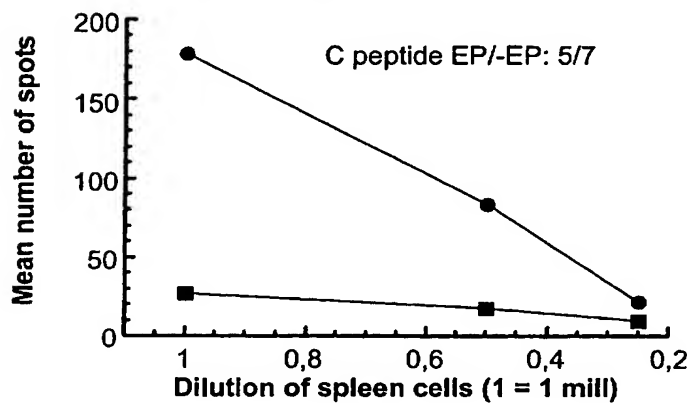


Fig. 31